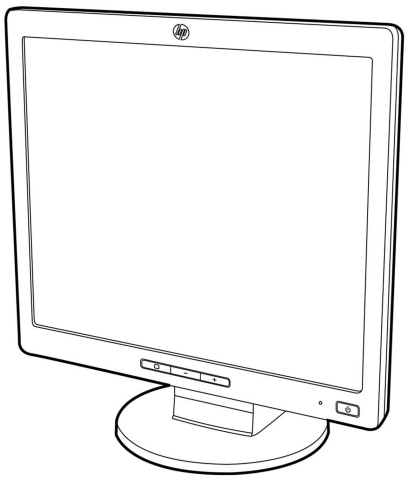
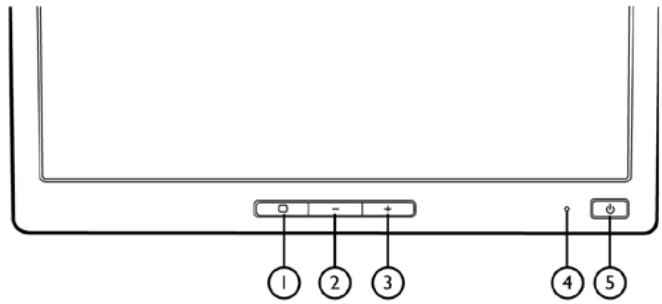
Overview

HP L1506x 15-inch LED Monitor





1. Button: Menu selection
2. Button: Menu "-" selector button
3. Button: Menu "+" selector button
4. Button: Power LED
5. Button: Power button

Technical Specifications

Panel	Type	TN (Twisted Nematic) WLED Backlit LCD
	Viewable Image Area (diagonal)	15 in (38.1 cm)
	Screen Opening (W x H)	12.1 x 9.1 in (307.4 x 231.3 mm)
	Aspect Ratio	4:3
	Viewing Angle (typical)	160 degrees horizontal/140 degrees vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	400 nits (cd/m^2)
	Contrast Ratio (typical)*	700:1
	Dynamic Contrast Ratio (typical)*	1,000,000:1
	Response Time (typical)*	8 ms (on/off)
	Pixel Pitch	0.297 mm(H) ×0.297 mm(V)
	Backlight Lamp Life (to half brightness)	50,000 hours typical
	Colour Gamut (typical)	60%
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
On Screen Display (OSD) Controls	Buttons or Switches	3-button OSD (menu, minus, plus); power on/off
	Languages	English, French, German, Italian, Dutch, Spanish, Netherlands, Japanese, Portuguese, Traditional Chinese, Simplified Chinese languages
	User Controls	Brightness Contrast Colour Image Control OSD Control Management Language Information Factory Reset Exit
Signal Interface/ Performance	Horizontal Frequency	30 to 63 kHz
	Vertical Frequency	50 to 76 Hz
	Native Resolution	1024 x 768 @ 60 Hz (recommended)
	Preset VESA Graphic Modes (non-interlaced)	1024 x 768 @ 60 Hz, 70 Hz, and 75 Hz 832 x 624 @ 75Hz, 800 x 600 @ 60 Hz, 72 Hz, and 75 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60 Hz, 72 Hz, and 75 Hz
	Text Mode	720 x 400 @ 70 Hz
	Maximum Pixel Clock Speed	80 MHz
	User Programmable Modes	Yes (20)
	Anti-Glare	Yes

Technical Specifications

	Default Colour Temperature	Warm (6500K)	
Video/Other Inputs	Plug and Play	Yes	
	Input Connectors	15 pin D-sub (Analog VGA)	
	Input Impedance	75 ohms (2 % value change allowed)	
	Sync Input	TTL separate synch	
	Video Cable	Detachable 15-pin D-sub	
	Video Cable Lengths	70.8 in (1.8 m)	
Power	Input Power	100 - 240 VAC	
	Typical Power Consumption	< 10 W	
	Maximum	< 15.0 W	
	Power Saving	< 1.0 W	
	Power Cable Length	74.8 in (1.9 m); detachable	
Mechanical	Dimensions (W x D x H)	Unpacked w/stand	13.9 x 13.4 x 7.9 in (35.5 x 34.0 x 20.3 cm)
		Unpacked w/o stand (head only)	11.4 x 13.4 x 2.4 in (29.0 x 34.0 x 6.0 cm)
		Packaged	15.6 x 15.6 x 5.9 in (39.5 x 39.5 x 15.0 cm)
	Weight	Unpacked	6.83 lb (3.10 kg)
		Packaged	9.59 lb (4.35 kg)
	Tilt Range	-5 to +30 degrees vertical tilt	
	Swivel Range	None	
	Height Adjustable	No	
	Pivot Rotation	No	
	Base	Detachable	
Environmental	Temperature - Operating	0° to 50° C (32° to 122° F)	
	Temperature - Non-operating	-20° to 60° C (-4° to 140° F)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 90%	
	Altitude - Operating	0 to 16,400 ft (0 to 5,000 m)	
	Altitude - Non-operating	0 to 40,000 ft (0 to 12,100 m)	
	White LED Backlights	Yes	
	CCFL Panel	No	
	Arsenic-Free Glass*	Yes	
	* Arsenic and its compounds were not detected using US EPA Test Methods 3052 & 3052/6010b by ICP or ICP-AES.		
	BFR/PVC Free	Plastics and Finishes or Paint	
	Mercury Free	Yes	
Environmental Data	Eco-Label Certifications & Declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:	

- Energy Star 5.0®
- EPEAT® Gold where HP registers commercial display products. See http://www.epeat.net for registration status in your country.

Energy Consumption (in accordance with US Energy Star® test method)	AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz
Normal Operation	5.6 W	5.7 W	5.9 W
Sleep	0.42 W	0.44 W	0.41 W
Off	0.31 W	0.29 W	0.31 W

Heat Dissipation*	100 VAC, 50 Hz	115 VAC, 60 Hz	230 VAC, 50 Hz
Normal Operation	19.15 BTU/hr	19.49 BTU/hr	20.18 BTU/hr
Sleep	1.44 BTU/hr	1.47 BTU/hr	1.77 BTU/hr
Off	1.30 BTU/hr	1.33 BTU/hr	1.57 BTU/hr

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC.

This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC.

This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).

This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see: www.epeat.net.

Plastics parts weighing over 25 grams used in the product are marked prEN50279 A/B/C.

This product contains 20.7% recycled materials (by wt.)

This product is 99.0% recyclable when properly disposed of at end of life.

Packaging Materials

- Corrugated Carton - 0.850 kg
- Bag LDPE - 0.025 kg

Packaging Materials			
	External:	Corrugated carton	850g
	Internal:	Polyethylene low density	118g

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized

that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at: http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a

		responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
	Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html
Options	HP Single Monitor Arm Part number BT861AA	The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 50 degrees of tilt, and 360 degrees of pan and rotation - all at your fingertips - helping you stay comfortable and productive throughout the day.
	HP Adjustable Dual Display Stand Part Number AW664AA	Premium space-saving dual screen solution provides access to more monitor real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24". Rotate displays into portrait/landscape positions.
	HP LCD Speaker Bar Part number NQ576AA	Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks.
	HP LCD Monitor Quick Release Part number EM870AA*	An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts.
	* The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.	
	HP Integrated Work Centre Stand Part number GN783AA	Allows mounting of a 17 - 23 inch diagonal HP LCD monitor and an HP Compaq dc8000 series Ultra-slim Desktop PC as well as select HP Thin Clients on a single stand for the convenience of an "all-in-one" form factor.
	HP USB Graphics Adapter Part number NL571AA	Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other.
	HP Business PC Security Lock Kit Part number PV606AA	Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.

Technical Specifications

	HP USB Mini Magnetic Stripe Reader with Brackets Part Number FK186AA	Reads up to three tracks of information with a single swipe of a magnetic stripe card in any direction. The beeper and LED assist store associates by signaling a successful read.	
Other	Accessories Included	Detachable AC Power cable, detachable VGA cable, detachable base, documentation kit, and user CD	
	Software	HP Display LiteSaver feature allows you to schedule Sleep mode at preset times to help protect the monitor against image retention, drastically lower power consumption and energy costs, and extend the lifespan of the monitor. HP Display Assistant is a software utility that allows monitor adjustment and colour calibration using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC.	
	User Guide Languages	English, Brazilian Portuguese, French, LA Spanish, Korean, Simplified Chinese, Traditional Chinese, Japanese, Danish, Dutch, Finnish, German, Italian, Norwegian, Swedish, Greek, Polish, Russian, Slovenian, Turkish	
	Warranty Languages	Americas	English, Canadian French
		LA	Spanish, Brazilian Portuguese
		EMEA	English, Danish, Dutch, Finnish, European French, German, Italian, Norwegian, Castilian Spanish, Swedish
		Asia/Pacific	English, Bahasa, S. Chinese, T. Chinese, Korean, Japanese, Chinese
	Colour	Jack Black	
	VESA External Mounting	Yes (Standard 4 hole pattern, 100 mm)	
	Security Lock-Ready	Yes	
Certification and Compliance	CB, pixel defect guidelines, CISPR, VCCI, ETL (USA/Canada), TUV and GS Mark (German ergonomic), BSMI (Taiwan), CCC (China), KCC/KC (South Korea), NOM (Mexico), Eastern European approvals, CE Marking, FCC approval, ENERGY STAR 5.0® qualified, Microsoft® Windows® certified (Microsoft® Windows® 2000, Microsoft Windows XP, UL listed, GOST (Russia), SASO (Saudi Arabia), EPEAT® Gold* * EPEAT where HP registers commercial display products. See www.epeat.net for registration status in your country.		
Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.		
Service and Warranty	Three years parts, labour, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion.* With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support. * HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: www.hp.com/hps/carepack. Service levels and response times for HP Care Packs may vary depending on your geographic location.		

Technical Specifications

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All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.